

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1-100. (Canceled)

101. (Previously Presented) A method of manufacturing an electro-luminescent device, the method comprising the steps of:

forming pixel electrodes on a substrate;

forming an insulating layer on the pixel electrodes;

enhancing a repellency at a surface of the insulating layer;

patterning the insulating layer so as to expose a part of the pixel electrodes;

and

applying one of an optical material and a liquid precursor on the part of the pixel electrodes.

102. (Previously Presented) A method of manufacturing an electro-luminescent device according to claim 101, wherein enhancing a repellency at the surface of the insulating layer is performed by one of an ultraviolet ray irradiation and an irradiation of plasma.

103. (Previously Presented) A method of manufacturing an electro-luminescent device, the method comprising the steps of:

forming pixel electrodes on a substrate;

forming an insulating layer on the pixel electrodes;

patterning the insulating layer so as to expose a part of the pixel electrodes;

enhancing a repellency at a surface of the insulating layer; and

applying one of an optical material and a liquid precursor on the part of the pixel electrodes.

104. (Previously Presented) A method of manufacturing an electro-luminescent device according to claim 103, wherein enhancing a repellency at the surface of the insulating layer is performed by one of an ultraviolet ray irradiation and an irradiation of plasma.

105. (Previously Presented) A method of manufacturing an electro-luminescent device having a first electrode, a second electrode and an organic semiconductor film between the first electrode and the second electrode, the method comprising the steps of:

forming the first electrode on a surface of a predetermined position of a substrate;

forming an insulating layer so as to surround the predetermined position;

arranging a liquid solution, including an organic semiconductor material and solvent, at the predetermined position of the substrate;

evaporating the solvent so as to form the organic semiconductor film; and

forming the second electrode above the organic semiconductor film.

106. (Previously Presented) The method of manufacturing an electro-luminescent device according to claim 105, further comprising:

enhancing a lyophilicity at the predetermined position relative to a lyophilicity of the insulating layer.

107. (Previously Presented) The method of manufacturing an electro-luminescent device according to claim 105, wherein the insulator layer covers at least a part of the first electrode.

108. (Previously Presented) The method of manufacturing an electro-luminescent device according to claim 105, further comprising:

forming an interlayer film on the insulating layer, the interlayer film being repellent to the solution compared to the predetermined position.

109. (Previously Presented) The method of manufacturing an electro-luminescent device according to claim 105, wherein arranging the liquid solution at the predetermined position of the substrate is performed by an ink jet method.

110. (Previously Presented) A method of manufacturing an electro-luminescent device having a first electrode, a second electrode and an organic semiconductor film between the first electrode and the second electrode, the method comprising the steps of:

forming the first electrode on the surface of a predetermined position of a substrate;

forming an insulating layer so as to surround the predetermined position;

enhancing a lyophilicity at the predetermined position relative to a lyophilicity at the insulating layer;

arranging a liquid solution, including an organic semiconductor material and solvent, at the predetermined position of the substrate;

evaporating the solvent so as to form the organic semiconductor film; and

forming the second electrode above the organic semiconductor film.

111. (Previously Presented) The method of manufacturing an electro-luminescent device according to claim 110, wherein the insulating layer is repellent to the liquid solution, compared to the predetermined position.

112. (Previously Presented) The method of manufacturing an electro-luminescent device according to claim 110, wherein the side-wall of the insulating layer is less repellent to the liquid solution, compared to the top of the insulating layer.

113. (Previously Presented) A method of manufacturing an electro-luminescent device having a first electrode, a second electrode and an organic semiconductor film between the first electrode and the second electrode, the method comprising the steps of:

forming the first electrode on the surface of a predetermined position of a substrate;

enhancing a lyophilicity at the predetermined position relative to a lyophilicity at a peripheral region around the predetermined position;

arranging a liquid solution, including an organic semiconductor material and solvent, at the predetermined position of the substrate;

evaporating the solvent so as to form the organic semiconductor film; and

forming the second electrode above the organic semiconductor film.

114. (Previously Presented) The method of manufacturing an electro-luminescent device according to claim 113, wherein enhancing a lyophilicity at the predetermined position relative to a lyophilicity at a peripheral region around the predetermined position is performed by an ultraviolet ray irradiation.

115. (Previously Presented) The method of manufacturing an electro-luminescent device according to claim 114, wherein enhancing a lyophilicity at the predetermined position relative to a lyophilicity at a peripheral region around the predetermined position is performed by a plasma irradiation.

116. (Previously Presented) A method of manufacturing an electro-luminescent device having a first electrode, a second electrode and an organic semiconductor film between the first electrode and the second electrode, the method comprising the steps of:

forming a recess so as to form a difference in height between the predetermined position and the periphery of the predetermined position, the predetermined position being lower than the periphery of the predetermined position;

arranging a liquid solution, including an organic semiconductor material and solvent, at the predetermined position of the substrate;

evaporating the solvent so as to form the organic semiconductor film; and

forming the second electrode above the organic semiconductor film.

117. (Previously Presented) The method of manufacturing an electro-luminescent device according to claim 116, wherein the recess is formed by wiring, the wiring being formed so as to surround the predetermined position.

118. (Previously Presented) The method of manufacturing an electro-luminescent device according to claim 117, the wiring including a signal line, a current supply line and a scanning line.

119. (Previously Presented) The method of manufacturing an electro-luminescent device according to claim 117, the wiring including bus line.

120. (Previously Presented) The method of manufacturing an electro-luminescent device according to claim 116, wherein arranging the liquid solution at the predetermined position of the substrate is performed by an ink jet method.

121-122. (Canceled)

123. (New) A method of manufacturing an electro-luminescent device, the method comprising the steps of:

forming an insulating layer so as to surround the predetermined position of the substrate;

arranging an optical material at predetermined positions, repellency of the side-wall of the insulating layer to a liquid or a liquid material being substantially different from that of the top of the insulating layer.